

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Currently amended) A light guide for use in a dental curing device, said light guide comprising an entrance area, a lens, at least one reflector, and a light pipe ~~and an exit area~~ wherein the lens, ~~and~~ at least one reflector, and light pipe are constructed of a single continuous homogeneous material and wherein the ~~exit area~~ light pipe comprises a proximal end and a distal end, wherein the proximal end of the light pipe is distal to the at least one reflector and wherein the distal end of the light pipe is sized to be placed inside a patient's mouth such that light is projected onto a single tooth and wherein the light guide consists of a single material selected from the group consisting of acrylic, plastic and glass.
3. (Canceled)
4. (Previously presented) A multi-piece light guide for use in a dental curing device, said light guide comprising an entrance area, at least one reflector, and lens all functionally attached to an image conduit by a metal sleeve wherein the

lens and at least one reflector are constructed of a single continuous homogeneous material and wherein the image conduit comprises a proximal end and a distal end and wherein the distal end is sized to be placed inside a patient's mouth such that light is projected onto a single tooth wherein the entrance area, at least one reflector and lens are in a single glass part.

5-18. (Canceled)

19. (Currently amended) A light guide for use in a dental curing device, said light guide comprising:

a proximal end and a distal end, wherein said proximal end is designed to receive light from at least one light source and wherein said proximal end comprises:

a reflecting means; and

a refracting means;

wherein the reflecting means is concave to the light source and reflects light from the light source towards the distal end of the light guide, and wherein the refracting means is convex to the light source and refracts light from the light source towards the distal end of the light guide, and wherein the reflecting means and the refracting means are constructed of a single continuous homogeneous material, and wherein the light from the light source travels from the proximal end to the distal

end without passing through any substantial air spaces, and wherein the light guide further comprises a straight wall section immediately distal to the reflecting means.

20. (Currently amended) The light guide of claim 19, wherein the ~~proximal~~ distal end of the light guide is connected to a fused fiber optic image conduit.

21. (Previously presented) The light guide of claim 19, wherein the reflecting means and the refracting means are constructed of acrylic, plastic or glass.

22. (Currently amended) A dental light curing device, said device comprising:
at least one light source; and
a light guide having a proximal end and a distal end,
wherein said proximal end receives light directly from the at least one light source and wherein said proximal end comprises:

a reflecting means; and

a refracting means;

wherein the reflecting means is concave to the light source and reflects the light received from the light source towards the distal end of the light guide, and wherein the refracting means is convex to the light source and refracts the light received from the light source towards the distal end of the light guide, and wherein the reflecting means and the

refracting means are constructed of a single continuous homogeneous material, and wherein the light from the light source travels from the proximal end to the distal end without passing through any substantial air spaces, and wherein the light guide further comprises a straight wall section immediately distal to the reflecting means.

23. (Previously presented) The dental curing device of claim 22, wherein the reflecting means and the refracting means are constructed of acrylic, plastic or glass.

24. (Previously presented) The dental curing device of claim 22, wherein the at least one light source is selected from the group consisting of LED, tungsten, halogen, metal halide, and xenon.

25. (Previously presented) The light curing apparatus of claim 22, wherein the light source is a multiple LED.

26. (Previously presented) The light curing apparatus of claim 25, wherein the each LED is selected from the group consisting of dies and emitters.

27. (Previously presented) The light curing apparatus of claim 26, wherein the light source comprises a single domed lens cover.

28. (Previously presented) The light curing apparatus of claim 26, wherein the light source does not include a domed lens cover.

29. (Previously presented) The light curing apparatus of claim 22, wherein the light source is a single LED.

30. (Previously presented) The light curing apparatus of claim 29, wherein the single LED is selected from the group consisting of die and emitter.

31. (Previously presented) The light curing apparatus of claim 30, wherein the light source comprises a domed lens cover.

32. (Previously presented) The light curing apparatus of claim 30, wherein the light source does not include a domed lens cover.

33-37. (Canceled)

38. (New) A dental light curing device, said device comprising:

- a housing;
- at least one light source; and
- a light guide;

said light guide comprising an entrance area, a lens, at least one reflector, and a light pipe wherein the lens, at least one reflector, and light pipe are constructed of a single continuous homogeneous material and wherein the light pipe comprises a proximal end and a distal end, wherein the proximal end of the light pipe is distal to the at least one reflector and wherein the distal end of the light pipe is sized to be placed inside a patient's mouth such that light is projected onto a single tooth and wherein the distal end of the light pipe is not enclosed by the housing.